

Claims

1. A method for the manufacture of a stable foam cream, comprising lipophilic and hydrophilic components and a propellant gas, characterized in that in said method a cream preparation comprising lipophilic and hydrophilic components is prepared,
 - then, propellant gas is added so that a foam cream is formed and the foam cream is subjected to a heat treatment,
 - and/or the propellant gas is heated before and/or during the addition to the cream preparation.
2. Method according to claim 1, characterized in that the heat treatment is carried out at a temperature of at least 20°C.
3. Method according to any one of claims 1 or 2, characterized in that the heat treatment is carried out for a time period of at least 5 minutes.
4. Method according to any one of claims 1 to 3, characterized in that the foam cream is provided as a two phase system.
5. Method according to any one of claims 1 to 4, characterized in that the lipophilic components are selected from fatty acids and dimethyl polysiloxanes, and the hydrophilic components are selected from the group consisting of triethanol amine, mono propylene glycol, glycerine, sorbitol, poly(ethylene glycol) and poly(vinyl pyrrolidone)
6. Method according to any one of claims 1 to 5, characterized in that the foam cream comprises C₁₀- to-C₂₂ fatty acids, emulsifiers and co-emulsifiers.

7. Method according to any one of claims 1 to 6, characterized in that the foam cream comprises

- 4 to 15 percent by weight of oil-in-water emulsifier,
- 1 to 10 percent by weight of fatty acid,
- 0.4 to 2.3 percent by weight of moisturiser,
- 0.05 to 1 percent by weight of skin care agent and
- water balancing to 100 percent by weight.

8. Method according to any one of claims 1 to 7, characterized in that the foam creams comprises

- 1 to 3 percent by weight of glyceryl stearate,
- 3 to 6 percent by weight cetearyl alcohol,
- 4 to 6 percent by weight of stearic acid,
- 0.5 to 2 percent of weight of paraffin,
- 0.4 to 2.3 percent by weight of triceteareth-4-phosphate,
- 1.5 to 4 percent by weight propylene glycol,
- 1.3 to 4.2 percent by weight of glycerine,
- 1 to 3 percent by weight of cetyl-sarcosinate,
- 0.05 to 1 percent by weight of allantoin and
- water balancing to 100 percent by weight.

9. Method according to any one of claims 1 to 8, characterized in that the foam cream additionally comprises hydrating (moisture binding) substances like urea, ethoxy diglycol, sodium chloride, magnesium chloride, sorbit, dexpanthenol, sodium lactate and/or additives like clotrimazol, oak bark extract, sage, rosemary, arnica, aloe vera, panthenol and/or camphor.

10. Method according to any one of claims 1 to 9, characterized in that the foam cream collapses, or partly collapses, after addition of the propellant gas and before conducting the heat treatment.

11. Stable foam cream, obtainable by a method according to any one of claims 1 to 10.

12. Stable foam cream according to claim 11, comprising lipophilic and hydrophilic components and a propellant gas, obtainable by subjecting the foam cream to a heat treatment, characterized in that the heat treatment is carried out for a time period of at least 5 minutes and/or for 5 minutes to 20 hours at 30 to 75°C.

13. Stable foam cream according to claims 11 or 12, characterized in that the heat treatment is conducted after addition of the propellant gas.

14. Stable foam cream according to one of claims 11 to 13, characterized in that the foam cream is a two-phase system.

15. Stable foam cream according to any one of claims 11 to 14, characterized in that the lipophilic components are selected from fatty acids and dimethyl polysiloxanes and the hydrophilic components are selected from the group consisting of triethanolamine, mono propylene glycol, glycerine, sorbitol, poly(ethylene glycol) and poly(vinyl pyrrolidone).

16. Stable foam cream according to any one of claims 11 to 15, characterized in that the foam cream comprises C₁₀- to C₂₂-fatty acids, emulsifiers and co-emulsifiers.

17. Stable foam cream according to any one of claims 11 to 16, characterized in that the foam cream comprises

- 4 to 15 percent by weight of oil in water emulsifier,
- 1 to 10 percent by weight of fatty acid,
- 0.4 to 2.3 percent by weight moisturiser,
- 0.05 to 1 percent by weight skin care agent and
- water balancing to 100 percent by weight.

18. Stable foam cream according to any one of claims 11 to 17, characterized in that the foam cream comprises

- 1 to 3 percent by weight of glyceryl stearate,

- 3 to 6 percent by weight cetearyl alcohol,
- 4 to 6 percent by weight of stearic acid,
- 0.5 to 2 percent of weight of paraffin,
- 0.4 to 2.3 percent by weight of triceteareth-4-phosphate,
- 1.5 to 4 percent by weight propylene glycol,
- 1.3 to 4.2 percent by weight of glycerine,
- 1 to 3 percent by weight of cetyl-sarcosinate,
- 0.05 to 1 percent by weight of allantoin, and
- water balancing to 100 percent by weight.

19. Stable foam cream according to any one of claims 11 to 18, characterized in that the foam cream additionally comprises hydrating (moisture binding) substances like urea, ethoxy diglycol, sodium chloride, magnesium chloride, sorbit, dexpanthenol, sodium lactate and/or additives like clotrimazol, oak bark extract, sage, rosemary, arnica, aloe vera, panthenol and/or camphor.